ABSTRACT OF THE DISCLOSURE

A radial vibration detection apparatus for detecting the radial vibration value of an optical assembly of an optical disc drive. The radial vibration detection apparatus includes a cover, a magnet, a plurality of clamping structures and a base. The cover has a cover body, a plurality of engaging elements and a circumferential flange. The engaging elements are disposed on the lower surface of the cover body in an equiangular manner. The circumferential flange is formed on the cover body. The cover body has a magnet accommodating portion formed on the center thereof. The magnet is disposed in the magnet accommodating portion. The clamping structures are disposed in the engaging elements, respectively. The base is disposed under the cover and has a bottom, a circumferential wall and a second positioning element. The second positioning element is disposed on the circumferential wall to engage the first positioning element of the cover.